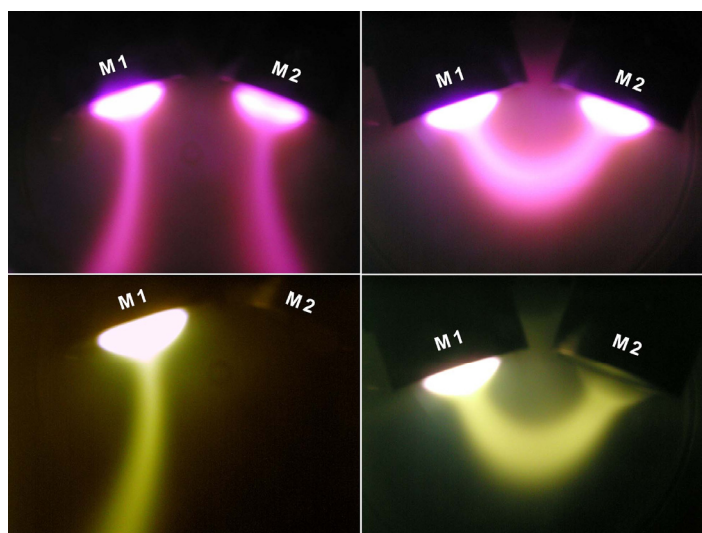


ANNOUNCEMENT AND CALL FOR PAPERS
5th Triennial Special Issue of the IEEE Transactions on Plasma Science
IMAGES IN PLASMA SCIENCE (June 2008)

Visualization of experimental and computed data is an increasingly important aspect of plasma science. Compelling images convey vast amounts of information in a single or sequence of images. These images are often works of art in their own right. The IEEE Transactions on Plasma Science (TPS) will have the 5th Triennial Special Issue of “**IMAGES IN PLASMA SCIENCE**” to be published June 2008. This issue will present unique experimentally or computationally generated images of plasma phenomena which provide insight to the physics of the process and which are aesthetically pleasing. Examples of images include, but are not restricted to:

- Multidimensional diagnostic data
- Complex charged particle fluxes
- Streamers
- Flashover in pulse power plasmas
- Plasma induced emission
- E-beam or ion-beam propagation
- Electromagnetic fields in plasmas
- Plasma-surface interactions
- “Naturally” occurring plasmas
- Laser propagation through plasmas
- Fusion reactor concepts
- Electron-atom or molecule interactions
- Plasma explosive behavior

Ref: J. Musil and P. Baroch, Trans. Plasma Science
33, 338 (2005)



The published articles will be limited to **2 journal pages**. A recommended format has the header (title, authors, affiliation, abstract), full page image(s) and figure caption(s) on the first page, with text and references on the second page. The text should describe the physics portrayed by the image and how the image was generated (i.e., description of the model or experiment). Carefully layout your paper to insure that the images and text fit are well displayed in the 2-page limit. To aid with your planning Microsoft Word templates can be obtained from the website listed below. In addition to the standard manuscript format required for submissions to TPS, a 2-page formatted version of your articles will also be required. Contributors are encouraged to examine past Special Issues of Images on Plasma Science (February 1996, 1999; 2002; April 2005) as guides for format and style. We encourage submissions in color although there will be an additional page charge.

The deadline for submissions is 1 December 2007. Contributions must be submitted in electronic form through the IEEE website as described in the submission instructions.

This announcement: <http://uigelz.ece.iastate.edu/tps-images/index.html>

Submission instructions: <http://uigelz.ece.iastate.edu/tps-images/submission-instructions.html>

Please direct questions to the Guest Editors:

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